

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

C: 6/21/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS.

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE.06/05/04):
  U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04



**IFWO** 

RAW SEQUENCE LISTING DATE: 06/21/2004
PATENT APPLICATION: US/10/656,531A TIME: 16:17:40

Input Set : A:\CTCH-P01-016.TXT

Output Set: N:\CRF4\06212004\J656531A.raw

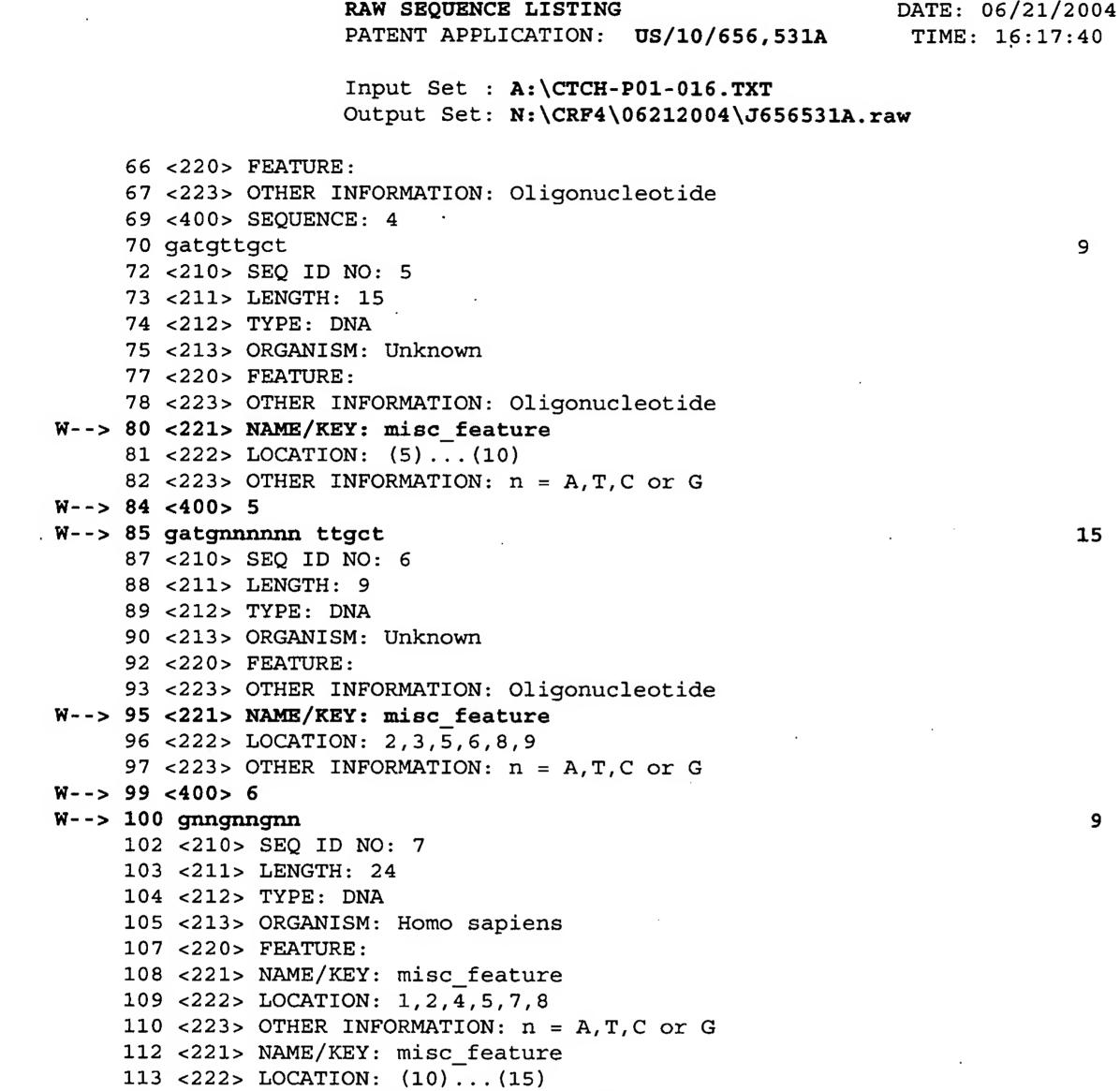
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4 <110> APPLICANT: Baltimore, David
         Porteus, Matthew
 7 <120> TITLE OF INVENTION: USE OF CHIMERIC NUCLEASES TO STIMULATE
         GENE TARGETING
10 <130> FILE REFERENCE: CTCH-P01-016
12 <140> CURRENT APPLICATION NUMBER: 10/656,531A
13 <141> CURRENT FILING DATE: 2003-09-05
15 <150> PRIOR APPLICATION NUMBER: 60/408,454
16 <151> PRIOR FILING DATE: 2002-09-05
18 <150> PRIOR APPLICATION NUMBER: 60/484,788
                                                            Does Not Comply
19 <151> PRIOR FILING DATE: 2003-07-03
21 <150> PRIOR APPLICATION NUMBER: 60/419,341
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22 <151> PRIOR FILING DATE: 2002-10-17
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26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1.
29 <211> LENGTH: 18
30 <212> TYPE: DNA
31 <213> ORGANISM: Unknown
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Oligonucleotide
36 <400> SEQUENCE: 1
37 tagggataac agggtaat
                                                                      18
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 9
41 <212> TYPE: DNA
42 <213> ORGANISM: Unknown
44 <220> FEATURE:
45 <223> OTHER INFORMATION: Oligonucleotide
47 <400> SEQUENCE: 2
48 ggggaagaa'
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 9
52 <212> TYPE: DNA
53 <213> ORGANISM: Unknown
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Oligonucleotide
58 <400> SEQUENCE: 3
59 gcgtggtcg
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 9
63 <212> TYPE: DNA
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64 <213> ORGANISM: Unknown

9

15

24



114 <223> OTHER INFORMATION: n= A,T,C or G

118 <223> OTHER INFORMATION: n=A,T,C or G

129 <223> OTHER INFORMATION: Oligonucleotide

117 <222> LOCATION: 17,18,20,21,23,24



file://C:\CRF4\Outhold\VsrJ656531A.htm

131 <400> SEQUENCE: 8

W--> 116 <221> misc feature

W--> 121 nncnncnncn nnnnngnngn ngnn

126 <213> ORGANISM: Unknown

123 <210> SEQ ID NO: 8

124 <211> LENGTH: 9

125 <212> TYPE: DNA

128 <220> FEATURE:

W--> 120 < 400 > 7

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/656,531A

DATE: 06/21/2004

TIME: 16:17:40

Input Set : A:\CTCH-P01-016.TXT

Output Set: N:\CRF4\06212004\J656531A.raw

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	<223> OTHER INFORMATION: Oligonucleotide <400> SEQUENCE: 9	
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	<210> SEQ ID NO: 10	J
	<211> LENGTH: 24	
	<212> TYPE: DNA	
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151	<223> OTHER INFORMATION: Oligonucleotide	
153	<400> SEQUENCE: 10	
154	accatcttct tcaaggacga cggc	24
156	<210> SEQ ID NO: 11	
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	<213> ORGANISM: Unknown	
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	<400> SEQUENCE: 11	_
	gaagatggt	9
	<210> SEQ ID NO: 12 <211> LENGTH: 9	
	<211> LENGIH: 9 <212> TYPE: DNA	
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	<223> OTHER INFORMATION: Oligonucleotide	
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RAW SEQUENCE LISTING DATE: 06/21/2004
PATENT APPLICATION: US/10/656,531A TIME: 16:17:40

Input Set : A:\CTCH-P01-016.TXT

Output Set: N:\CRF4\06212004\J656531A.raw

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213 <212> TYPE: DNA
214 <213> ORGANISM: Unknown
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Oligonucleotide
219 <400> SEQUENCE: 16
220 actagcaacc tcaaacagac accatggtgc atctgactcc tgaggagaag tctgccgtta 60
221 ctgccctgtg gggcaaggtg aacgtgatcg ttggagtttg tctgtggtac cacgtagact 120
222 gaggactcct cttcagacgg caatgacggg acaccccgtt ccacttgc
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Invalid
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230 <223> OTHER INFORMATION: Oligonucleotide
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237 <212> TYPE: PRT
238 <213> ORGANISM: Unknown
240 <220> FEATURE:
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244 Gln Ser Ser Asp Leu Thr Arg
245 1
248 <210> SEQ ID NO: 19
249 <211> LENGTH: 7
250 <212> TYPE: PRT
251 <213> ORGANISM: Unknown
253 <220> FEATURE:
254 <223> OTHER INFORMATION: (Peptide
256 <400> SEQUENCE: 19
257 Thr Ser Gly Glu Leu Val Arg
258 1
261 <210> SEQ ID NO: 20
262 <211> LENGTH: 7
263 <212> TYPE: PRT
264 <213> ORGANISM: Unknown
266 <220> FEATURE:
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DATE: 06/21/2004

```
PATENT APPLICATION: US/10/656,531A
                                                          TIME: 16:17:40
                Input Set : A:\CTCH-P01-016.TXT
                Output Set: N:\CRE4\062\2004\J656531A.raw
                                           - same ernon
267 <223> OTHER INFORMATION: (Peptide
269 <400> SEQUENCE: 20
270 Thr Ser Gly Ala Leu Thr Arg
271 1
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274 <210> SEQ ID NO: 21
275 <211> LENGTH: 7
276 <212> TYPE: PRT
277 <213> ORGANISM: Unknown
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279 <220> FEATURE:
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280 <223> OTHER INFORMATION:
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283 Thr Ser Gly Ser Leu Thr Arg
284 1
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287 <210> SEQ ID NO: 22
288 <211> LENGTH: 7
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297 1
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300 <210> SEQ ID NO: 23
301 <211> LENGTH: 7
302 <212> TYPE: PRT
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303 <213> ORGANISM: Unknown
305 <220> FEATURE:
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306 <223> OTHER INFORMATION:(
308 <400> SEQUENCE: 23
309 Arg Ser Asp Asn Leu Val Arg
                     5
310 1
313 <210> SEQ ID NO: 24
                                        The type of errors shown exist throughout
314 <211> LENGTH: 48
                                      the Sequence Listing. Please check subsequent
315 <212> TYPE: DNA
                                            sequences for similar errors.
316 <213> ORGANISM: Unknown
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Oligonucleotide
321 <400> SEQUENCE: 24
322 agcaacctct ctagagcgtg ggcgtcgttg gagagatctc gcacccgc
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325 <211> LENGTH: 9
326 <212> TYPE: DNA
327 <213> ORGANISM: Unknown
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Oligonucleotide
332 <400> SEQUENCE: 25
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333 ggcaaggtg
335 <210> SEQ ID NO: 26
336 <211> LENGTH: 7
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RAW SEQUENCE LISTING

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/656,531A DATE: 06/21/2004 TIME: 16:17:41

Input Set : A:\CTCH-P01-016.TXT

Output Set: N:\CRF4\06212004\J656531A.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 5,6,7,8,9,10

Seq#:6; N Pos. 2,3,5,6,8,9

Seq#:7; N Pos. 1,2,4,5,7,8,10,11,12,13,14,18,11,18,20,21,23,24

## VERIFICATION SUMMARY

DATE: 06/21/2004 PATENT APPLICATION: US/10/656,531A TIME: 16:17:41

Input Set : A:\CTCH-P01-016.TXT

Output Set: N:\CRF4\06212004\J656531A.raw

L:80 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:84 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5 L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0 L:95 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:99 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6 L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0 L:116 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7 L:120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7

L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0